

PROJECT: Midnite Mine Remediation**REPORT NO:** 2021-33**OWNER:** Newmont/Dawn Mining**OPERATOR:** Newmont/Dawn Mining**SUMMARY OF WORK ACTIVITIES OR EVENTS FOR THIS REPORTING PERIOD:**

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period November 5 - 11, 2021. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: (b) (6)

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period November 5 - 11, 2021			
FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		
Comments:			

COMMUNITY LIAISON

- Nothing to report

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS**Weekly Progress Meeting:**

The following stakeholders attended the Weekly Construction Progress meeting via a conference call on Wednesday, 10 November 2021 at 10:00 am:

- Spokane Tribe of Indians
- Army Corps of Engineers (USACE)
- Dawn Mining Company (DMC)/Newmont
- WME
- AJAX
- Stantec

Meeting Action Items:

- None.

EPA Plan/Document Approvals:

- None.

Regulatory Site Visit(s):

- None.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of November 5 - 11, 2021, the following activities were conducted:

- Newmont excavated, hauled, and placed a small amount of low activity/low reactivity material from the west side of the South Waste Rock Pile (SWRP). Newmont placed the material around the risers in the Pit 4 Waste Containment Area (WCA) to build the area up for installation of the backup dewatering pumps in the Underdrain and Waste Rock Dewatering Sumps.
- Newmont decontaminated heavy equipment to improve efficiency of winter maintenance activities and to prepare select equipment for demobilization from site.
- Stantec received results from final 2021 crushing and screening Quality Control samples of Drain Gravel and Geomembrane Bedding. All products conformed with project specifications.
- SSEC-Apex scarified the effluent pipeline alignment along the New Access Road and the Jeep Trail between West End Road and Blue Creek Road in preparation for hydroseeding. Hydroseeding is scheduled to begin on 15 Nov.
- Stantec completed data collection for the end of year survey and aerial image and began processing the collected data.
- Stantec completed annual emission source monitoring of stationary engines following EPA Method 9.
- Stantec performed the weekly South Pond Embankment inspection and downloaded transducer data from the South Pond Piezometer. The embankment remains stable and water levels in the piezometer remain steady.

Table 1 – 2021 Production Estimates

Material	Reporting Period			Year-to-date			Annual % Complete
	Planned Production (yd³)	Estimated Volume¹ (yd³)	% of Planned	Planned Production (yd³)	Estimated Volume¹ (yd³)	% of Planned	
Haulage to Pit 4							
SWRP	0	3,696	--	577,147	1,183,840	205%	156%
HSWRP	1,889	0	0%	60,268	2,828	5%	4%
Pit 4 Overburden	0	0	--	341,740	321,748	94%	96%
CSZ Cleanup	0	0	--	4,916	28,700	584%	574%
Pit 3 Sediments	0	0	--	35,000	0	0%	0%
Total	1,889	3,696	196%	1,019,071	1,537,116	151%	133%
Aggregate Production							
Drain Gravel	8,500	0	0%	275,400	203,164	74%	67%
Liner Bedding	0	0	--	9,250	9,414	102%	102%
Geomembrane Bedding	8,500	0	0%	275,400	195,732	71%	51%
Total	17,000	0	0%	560,050	408,310	73%	59%

1 - Truck load assumed to be 27 yd³

Stormwater Pollution Prevention Plan (SWPPP)

- Completed SWPPP inspection on November 10. No deficiencies or required changes identified.

- Newmont completed shaping the west side of the SWRP to flow to a collection sump where stormwater will be pumped to the South Pond.
- Newmont graded the Geomembrane Bedding stockpile to drain
- Newmont completed grading the crusher pad on the HSWRP to drain.

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- No spills were reported during this week.

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None.

The following equipment was demobilized from the Site during this reporting period.

- None.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period.

- None.

CONSTRUCTION QUALITY ASSURANCE

Project Documentation

Project CQA-CQC Field Acceptance Forms, Engineering Change Notices (ECNs), Design Clarification Notices (DCNs), Non-Compliance Notifications (NCNs), Requests for Information (RFIs), Submittals, and Other Items received during this time-period are shown in the table below:

CQA Documentation -Reporting Period November 5 - 11, 2021

CQC-CQA Field Acceptance Forms			
Acceptance No.	Title	CQC-CQA Issue Date	
*2021-17	Stainless Steel Passivation Alternative Procedure ASTM A380 2021 Annual Inspection of South Pond Piping Mine Site - South Pond <i>CQA Received Requested CQC Clarification on Photo Documentation on 11/2/2021 - sent to the EPA for review on 11/5/2021.</i>	10/4/2021 - 11/5/2021 EPA - TBD	
Project DCNs			
DCN No.	Title	Submittal Date	EPA Response Date
None			
Project ECNs			
ECN No.	Title	Submittal Date	EPA Response Date

*2021-01	<p>Monitoring and Control of Phreatic Levels in the South Pond Embankment Mine Site – South Pond</p> <p>The EPA requested a Final Report be prepared (including all test data)</p> <p>Stantec received laboratory test data on 9/14/2021 and is in the process of preparing a Final Report.</p> <p><i>Newmont received the completed <u>Lab Data Summary Memo</u> and approved it on 10/26/2021. The Memo was sent to the EPA on 10/27/2021 for review.</i></p>	3/19/2021	<p><i>Conditional EPA Approval Received on 5/11/2021</i></p> <p><i>Final EPA Approval Received for the Summary Report on 8/20/2021</i></p> <p><i>EPA Approval of Final Report - TBD</i></p>
Notice of Non-Compliance			
NNC No. and Dates	Title/Description	CQA	CQA/EPA Response Date(s)
*2021-01	<p>New Access Road - Asphalt Compaction New Access Road</p> <p>Sent to Halme Construction on 10/29/2021 for their proposed corrective action plan.</p> <p>Received Halme Construction corrective action on 11/2/2021.</p> <p><i>Halme working on revision to corrective action on 11-12-2021.</i></p>	10/29/2021	<p>CQA - TBD EPA - TBD</p>
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA/EPA Response Date(s)
*2021-07	<p>Regulatory Jurisdiction for Use of Explosives in the Mined Area (UDS Sump Blasting in Pit 3 – WAC vs. NFPA) Mine Site – Pit 3</p> <p>WME conducting research to respond to this RFI.</p> <p><i>WME to send out an email to all to clarify the regulatory requirements.</i></p>	8/23/2021	<p>CQA - TBD EPA - TBD</p>
*2021-09 (priority)	<p>Clarification of Harrowing Requirements Mine Site and Effluent Pipeline</p>	10/25/2021	<p>CQA – 11/3/2021 Stantec – 11/5/2021 EPA - TBD</p>
*HC-2021-13	<p>Culvert Replace and Install Requirements Effluent Pipeline</p> <p>Received EPA comment on 10-14-2021 regarding minimum longitudinal slopes of 0.5% on culvert inlets and outlets – specify how will this be achieved for the 48-inch culvert.</p> <p>Received revised RFI from Stantec on 10/26/2021 addressing EPA's comment on slopes.</p>	9/22/2021	<p>CQA – 10/14/2021</p> <p><i>CQA – 10/30/2021 Stantec - 11/1/2021 EPA - TBD</i></p>

	Received Brian Crossley (STOI) comments on 11/2/2021 for the 48-inch culvert. EPA to provide input based on BC comments.		
*HC-2021-14	<p>Pipe Bury Depth Change Request Effluent Pipeline</p> <p>Stantec Engineering Requested Additional Information from Halme on 9/30/2021 - Grade Shots from Hubs for Item No. 1 (confirm 4 feet of cover).</p> <p>Grading is complete along the Jeep Trail - additional grade shots will be taken on 10-26-2021.</p> <p>Received Halme data on pipe bury depths - 11/2/2021 for Item No. 1.</p> <p>Halme to check data provided and resubmit or provide additional survey data.</p>	9/27/2021	<p>CQA – TBD Stantec TBD EPA - TBD</p>
*HC-2021-16	<p>Durability Index Test for Riprap Material around Culvert Installed on Lead-Off Ditch and Blue Creek Road Bank Stabilization New Access Road and Effluent Pipeline</p>	10/12/2021	<p>CQA – 10/30/2021 Stantec – 11/2/2021 EPA - TBD</p>
*HC-2021-17	<p>Direction on What to Do with Large Boulders Excavated During Pipe Burial Operations Effluent Pipeline</p> <p>Received approval by Brian Crossley (STOI) on 11/10/2021.</p>	10/13/2021	<p>CQA – 11/5/2021 Stantec – 11/8/2021 EPA - TBD</p>
*HC-2021-20	<p>Use of Non-Spec. Type O Riprap - NAR Lead-Off Culvert New Access Road</p>	10/29/2021	<p>CQA – 11/4/2021 Stantec – 11/4/2021 EPA – TBD</p>
*WTP-2021-03	<p>Spec Section Relevance New WTP</p> <p>Stantec conducted review of specifications.</p>	9/16/2021	<p>CQA – 10/31/2021 Stantec – 11/3/2021 EPA - TBD</p>
*WTP-2021-04	<p>Filter Press Clarifications 11563 - Recessed Plate Filter Press New WTP</p>	10/13/2021	<p>CQA – 10/30/2021 Stantec – 11/6/2021 EPA - TBD</p>
*WTP-2021-05	<p>Generator Confirmation Sheet 9-7-2 Key Note 6 New WTP</p>	10/13/2021	<p>Stantec – 10/21/2021 CQA – 10/30/2021 EPA - TBD</p>
*WTP-2021-06	<p>Lime Silo Clarifications 11267 - Lime Storage and Feed System New WTP</p>	10/15/2021	<p>CQA – 10/30/2021 Stantec – 10/30/2021 EPA - TBD</p>
*WTP-2021-07	<p>RO Line Spillway Transition File Name 10-96, Sheet 10-99 New WTP</p>	10/15/2021	<p>CQA – TBD Stantec – 11/12/2021 EPA - TBD</p>

	CQA question for Design Engineer re additional pipeline loads		
*WTP-2021-08	RO Connection at Tank File Name 10-96, Sheet 10-100 New WTP	10/15/2021	CQA – 11/5/2021 Stantec – 11/6/2021 EPA - TBD
*WTP-2021-09	DensaDeg Steel Tanks 11225 - 2.2.A New WTP <i>See RFI WTP-2021-11 below for information on revised Technical Specification 11225 (Rev. 3) and new Technical Specification 13656.</i>	10/15/2021	CQA – TBD Stantec – 11/11/2021 EPA - TBD
*WTP-2021-10	Motor Corrosive Atmosphere Rating 16460 – 2.06.C.4.d New WTP	10/18/2021	CQA – 11/4/2021 Stantec – 11/5/2021 EPA - TBD
*WTP-2021-11	Collector Arm Scraper Coating 11225 – 2.6.A New WTP <i>EPA requested a copy of the revised Technical Specification 11225 (Rev. 3) on 11/5/2021. EPA received the revised specification on 11/8/2021.</i> <i>New Technical Specification 13656 Welded Steel Tanks received by CQA on 11/11/2021.</i>	10/18/2021	CQA – 11/4/2021 Stantec – 11/5/2021 EPA - TBD
*WTP-2021-12	Solids Recycle Tank Material 11225 – 1.2.C New WTP	10/19/2021	CQA – TBD Stantec – 11/11/2021 EPA - TBD
*WTP-2021-14 (same as WTP-2021-11)	Collector Arm Scraper Coating New WTP <i>See RFI WTP-2021-11 above for information on revised Technical Specification 11225 (Rev. 3) and new Technical Specification 13656.</i>	11/2/2021	CQA – TBD Stantec – 11/11/2021 EPA - TBD
*WTP-2021-15	Brace Connection New WTP	11/2/2021	CQA – TBD Stantec – 11/10/2021 EPA - TBD
*WTP-2021-16	Overhead Hoist Clarifications New WTP	11/3/2021	CQA – TBD Stantec – TBD EPA - TBD
*WTP-2021-17	Reactor and Clarifier – Structural Design, Support and Anchorage New WTP <i>Need Technical Specification 01545.</i>	11/9/2021	CQA – TBD Stantec – TBD EPA - TBD
Submittals			
Submittal No.	Title	CQC Submittal Date	CQA/EPA Response Date(s)

*02272-15.01	South Pond Geomembrane – 2021 Liner Repairs Mine Site – South Pond EPA Requested South Pond Liner Repair (patch drawing) with CQA notes added to Submittal.	6/21/2021 Revised 9/21/2021	CQA – 7/22/2021 Received EPA Approval with Comments on 9/15/2021 CQA – 9/25/2021 EPA Final Review
*02272-16.02	South Pond Liner Repair Data for June 8 through July 1, 2021 Mine Site – South Pond EPA Requested explanation of the South Pond berm “curb repair/retrofit” with picture added to the Submittal.	7/7/2021 Revised 9/21/2021	CQA – 7-22-2021 Received EPA Approval with Comments on 9/15/2021 CQA – 9/25/2021 EPA Final Review
*02970-09	Mulch and Ground Stabilization Mine Site Engineering response revised on 10/25/2021	10/5/2021	CQA – 10/25/2021 EPA - TBD
*02272-18	South Pond Liner Repairs – 9/14/2021 Mine Site – South Pond	10/6/2021	CQA – 10/11/2021 EPA - TBD
*02970-12 priority	Revegetation Effluent Pipeline Revised submittal received on 10/26/2021.	10/26/2021	CQA – 11/1/2021 EPA - TBD
*HC-01532-01	Site Pre-Construction Survey for Blue Creek Road Effluent Pipeline	9/14/2021	CQA – 9/25/2021 EPA TBD
*HC-02593-05	All Manhole Leak Tests Effluent Pipeline	10/11/2021	CQA – 11/5/2021 EPA - TBD
*HC-02200-10 priority	Copenhaver (Wilbur Pit) Base Course Gradation and Proctor New Access Road	10/19/2021	CQA – 11/5/2021 EPA - TBD
*HC-02593-06	As-Built Drawing and Leak Test for Manhole No. 9 Effluent Pipeline	11/5/2021	CQA – TBD EPA - TBD
*HC-02200-12	Effluent Pipeline Density Tests (Station 36+90 to 121+40) Effluent Pipeline	11/5/2021	CQA – TBD EPA - TBD
*HC-02200-13	Compaction Reports for Subgrade and Base Course - NAR New Access Road	11/8/2021	CQA – TBD EPA - TBD
*WTP-01310-1	60-Day Bar Chart Schedule New WTP Newmont/Stantec - No exception taken	10/12/2021	CQA – 11/10/2021 Stantec – 11/3/3021 EPA - TBD

*WTP-01310-2	Initial Schedule New WTP Stantec/Newmont questions/comments on submittal/schedule 11/3/2021. Sent back to Knight Construction on 11/10/2021 - Make Corrections Noted and Resubmit.	10/12/2021	CQA – TBD Stantec - TBD EPA - TBD
*WTP-02594-1.1	HDPE Pipe PDS New WTP Product Resubmittal on 11/2/2021.	11/2/2021	CQA – TBD Stantec - TBD EPA - TBD
*WTP-02596-1 priority	HDPE Dual-Containment PDS New WTP	10/15/2021	CQA – 11/3/2021 Stantec – 11/3/2021 EPA - TBD
*WTP-16420-1	Service Entrance Section New WTP	11/3/2021	CQA – TBD Stantec – 11/12/2021 EPA - TBD
*WTP-16440-1	Disconnect Switches New WTP	11/3/2021	CQA – TBD Stantec – 11/12/2021 EPA - TBD
*WTP-16461-1	Transformers – Dry Type New WTP	11/3/2021	CQA – TBD Stantec – 11/12/2021 EPA - TBD
*WTP-16462-1	Liquid Filled MV Transformers New WTP	11/3/2021	CQA – TBD Stantec - TBD EPA – TBD
*WTP-16470-1	Panel Boards New WTP	11/3/2021	CQA – TBD Stantec - TBD EPA – TBD
*WTP-16500-1	Lighting New WTP	11/3/2021	CQA – TBD Stantec - TBD EPA - TBD
*WTP-16622-1	Stand-by Diesel Electric Generator New WTP	11/3/2021	CQA – TBD Stantec - TBD EPA - TBD
*WTP-15201-1	Valve Actuators (Dezurik & Hayward) New WTP Additional information required from Contractor 11/12/2021.	11/3/2021	CQA – TBD Stantec - TBD EPA - TBD
*WTP-15230-1	Misc. Valves – Safety Exhaust Valves New WTP	11/3/2021	CQA – TBD Stantec - TBD EPA - TBD
*WTP-15202-1	Hayward Butterfly Valves New WTP	11/3/2021	CQA – TBD Stantec - TBD EPA - TBD
*WTP-15203-1	Hayward Check Valves New WTP	11/3/2021	CQA – TBD Stantec - TBD EPA - TBD
*WTP-15204-1	Hayward Ball Valves New WTP	11/3/2021	CQA – TBD Stantec - TBD EPA - TBD

*WTP-15210-1	Dezurik Plug Valves New WTP	11/9/2021	CQA – TBD Stantec - TBD EPA - TBD
Other Items			
Date	Title	Comments	
None			

- * New Documentation Received
- * Engineer/CQA Acceptance/Information Pending
- * EPA Acceptance Pending

Copies of the CQA Logs are being updated and will be located on the project SharePoint site under the 2021 CQA Folder.

Site Inspections

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None

Initial Phase Inspections

- None

Follow-up Phase and Ongoing Inspections

- None

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Due to the limited activities scheduled for the next three weeks, the Three Week Lookahead Schedule is not provided.

Report completed and submitted by:
<u>Andrew Liffing, P.E.</u> <u>Project Construction Director</u>
Photos of pertinent items are provided below.



Figure 1 – Surface grading and track walking of Geomembrane Bedding stockpile as part of winter SWPPP preparation., view looking west.



Figure 2 – Excavating, loading, and hauling low activity/low reactivity material from the SWRP to be used as fill at the Pit 4 dewatering risers, view looking northeast.



Figure 3 – Placing low activity/low reactivity material as fill around the Pit 4 dewatering risers, view looking southeast.



Figure 4 – Placing drain gravel around the dewatering risers view looking northeast.